APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

The Location of the Cement Industry of Eastern Siberia within the Long-Term Future, by V. P. Gukov, 9 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Inst Geograf i Sibri i Dal'nego Vostoka Irk, No 4, 1963, pp 49-55.
AGS

Sci -
Jul 66

305,828

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Problems in the Location of Transportation
in the Southern Part of Eastern Siberia,
by A. A. Vorob'yev, 11 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Inst Geograf
Sibiri i Dal'nego Vostoka Irk, No 4, 1963,
pp 70-77.
AGS

FE
Geog
Jul 66

305,832

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

First Discovery of Triassic Bryozoans in the USSR, by V. P. Makhorosher.

RUSSIAN, par, Dok Ak Nauk SSSR: Geologiya, No 3, 1949, pp 459-461.

Dept of Interior
QE3 E57 No 102

Sci - Biol

Jan 63

219,222

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Winter Transfer of Heat From the Ocean and Effective Back Radiation When the Surface of the Continent is a Complex Structure, by V. V. Shuleykin.

Russian, per, Dok Ak Nauk SSSR, No 2, pp 351-354.
RUSSIAN,

NLL 3886

Sci - Nuc Sci & Tech
Earth Sci & Astron
Mar 63

225,426

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Surface Tension and Heat Vaporization of Metals,
by S. N. Zadumkin, 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR,

AEC JPLAI Tr-16

Sci - Min/Met
May 61

150,376

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Computation of Vertical Gradient of Gravity from a Known Distribution of Gravity Anomalies on a Surface of any Shape, by O. M. Raspopov, 10 pp. RUSSIAN, Per, Doklady Akad. Nauk SSSR, 1929, pp 101-105. P942178868
DRB-T-493-R

USSR
Sci/Astronomy
Jul 68

357,060

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

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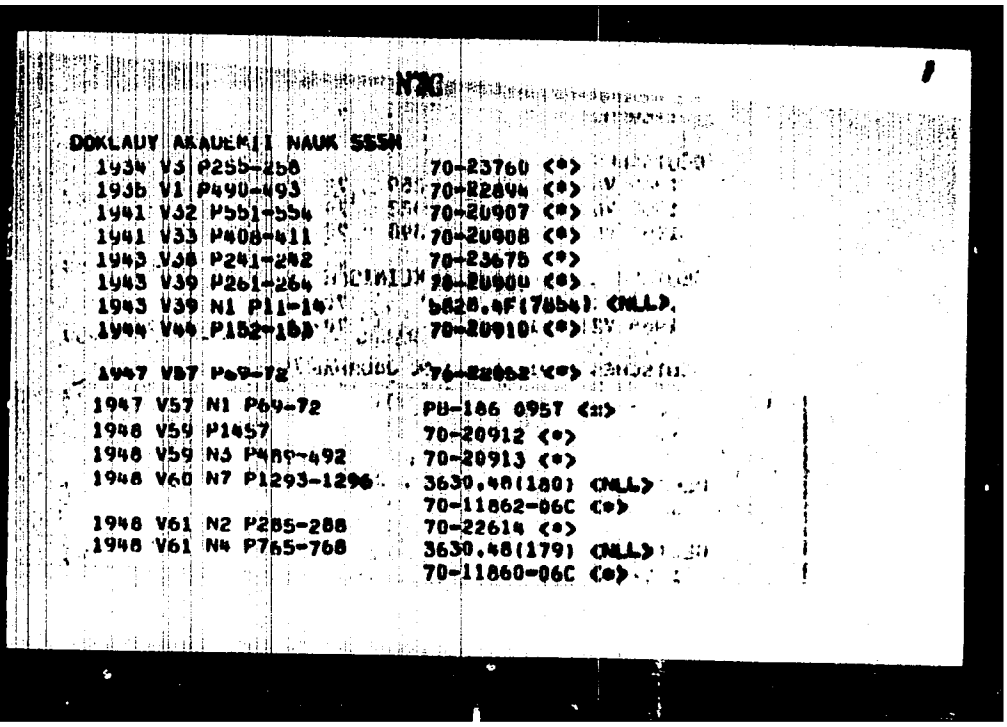

N2G

DOKLADY AKADEMII NAUK SSSR

1934	V3	P255-258	70-23760 (*)
1936	V1	P490-493	70-22844 (*)
1941	V32	P551-554	70-20907 (*)
1941	V33	P408-411	70-20908 (*)
1943	V38	P241-242	70-23675 (*)
1943	V39	P261-264	70-20900 (*)
1943	V39	N1 P11-14	5828.4F(7854) (NLL)
1944	V44	P152-155	70-20910 (*)
1947	V57	P69-72	70-22862 (*)
1947	V57	N1 P69-72	PB-186 0957 (*)
1948	V59	P1457	70-20912 (*)
1948	V59	N3 P489-492	70-20913 (*)
1948	V60	N7 P1293-1296	3630.48(180) (NLL)
			70-11862-06C (*)
1948	V61	N2 P285-288	70-22614 (*)
1948	V61	N4 P765-768	3630.48(179) (NLL)
			70-11860-06C (*)

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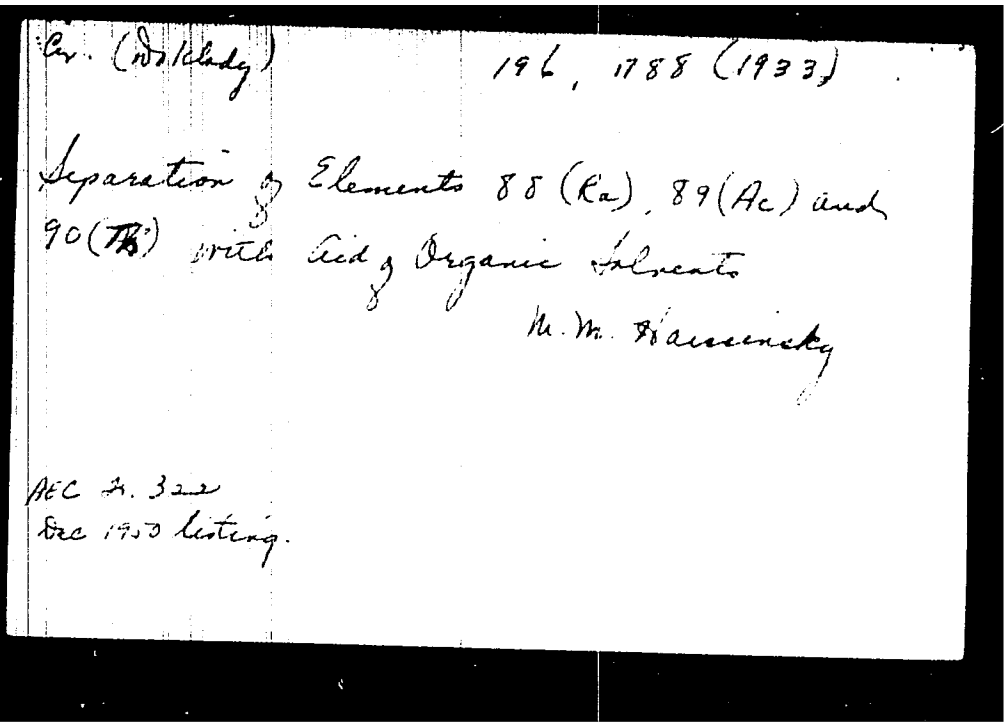


Cr. (Widely) 196, 1788 (1933)

Separation of Elements 88 (Ra), 89 (Ac) and 90 (Th) with Acid of Organic Solvents

M. M. Haissinsky

AEC X-322
Dec 1950 listing.

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

A New Synthesis of Acetylpropyl Alcohol, by
I. L. Knunyants, G. V. Chelintsev, E. D. Osetrova,
5pp
RUSSIAN, per, Doklady, Akad Nauk SSSR, Vol 1,
1934, No 6, pp 312-314
SLA TT-64-16728

Sci - Chem
June 67 328,938

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Visible Luminescence of Pure Liquids Under the Influence of γ-Radiation, by P. A. Cherenkov.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol II, No 8, 1934, pp 451-454.

Assoc Tech Sv RJ-539
$4.80

Sci - Physics
Apr 1957 CTS/dex

46,789
T-107
REC 135

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Theory of Surface Ionization on Glowing Metals,
by A. I. Ansel'm,
RUSSIAN, per, Dok Ak Nauk SSSR, Vol III, 1934,
pp 329-334.
NASA TT F-478

Sci-Phys
Jul 67 331,688

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

A New Device for Measuring Solution Vapor Pressure by the Dew-Point Method, by B. B. Kudryavtzev, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol III, 1934, pp 601-602.

SLA/R-2495

Sci
Apr 59

84,879

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Recent Russian Papers Relating to the Characteristics of Shale-oil Fractions, 93 pp.

RUSSIAN, per, Doklady Akad. Nauk SSR, Vol III-V.

SLA Tr R-1187

Sci

Jun 58

65,919

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Balandin, A. A., Eidus, Ya. T., and Zalogin, N. G. ON THE FORMATION OF BUTADIENE AND ACETYLENE BY THE ACTION OF HIGH-FREQUENCY DISCHARGES ON ETHYLENE. [1961] 7p. (1 graph refs. omitted)
Order from OTS or SLA $1.10 61-20935

Trans. of Akademiya Nauk SSSR. Doklady, 1934, v. 4, [no. 1/2] p. 132-135.

DESCRIPTORS: Butadienes, Acetylenes, Electric discharges: High frequency, Ethylenes.

(Unannounced)

61-20935

I. Balandin, A. A.
II. Eidus, Ya. T.
III. Zalogin, N. G.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Isomerization of Hydrocarbons. I. Chlorination of the Isomers of Hexane and Octane with the Aid of Antimony Pentachloride as a Method for their Quantitative Determination, by B.L. Moldavskii and S.E. Livshitz.
RUSSIAN, per, Dok.Ak.NaukSSSR, 1935, vol.1, pp.507-513.
SLA-TT-64-18568

Chem
Aug 66

306,627

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

WITH PHASIC DEVELOPMENT

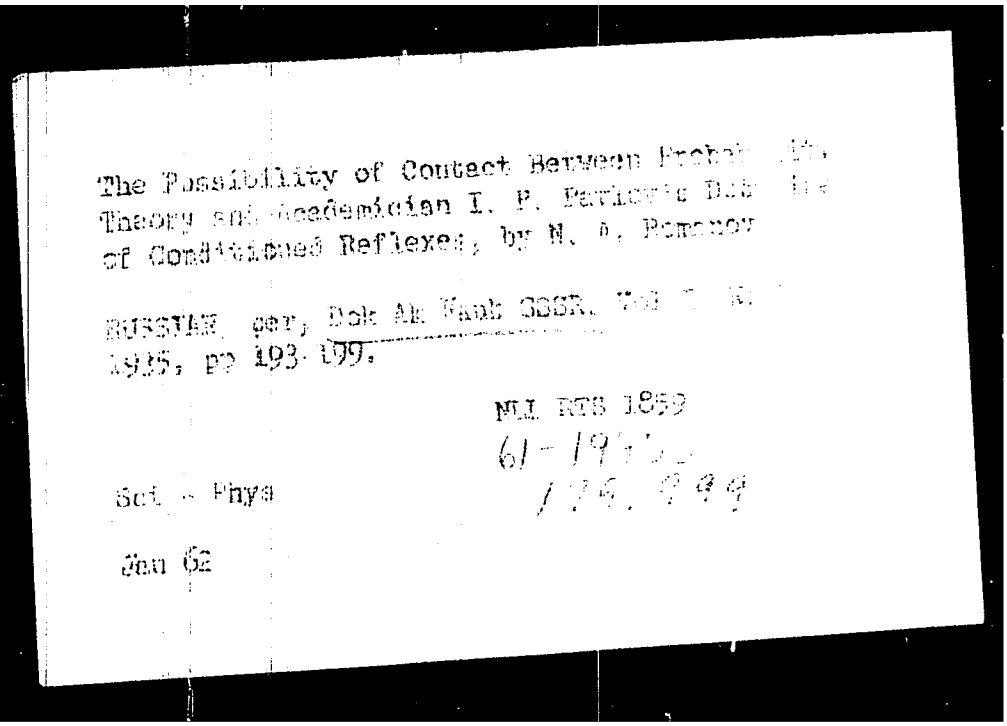
Timofejeva, M. T.
FROST RESISTANCE OF WINTER CEREALS IN CONNECTION AND HARDENING OF PLANTS.
Comp. R. Acad. Sci. URSS, Vol. 1, pages 61-67, 1935.

* PL 480
ARS

Apr 61

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4



The Possibility of Contact Between Proba[illegible],
Theory and Academician I. P. Pavlov's Doc[illegible]
of Conditioned Reflexes, by N. A. Pomerov

RUSSIAN per, Dok Ak Nauk SSSR, [illegible]
1955, pp 193-199.

NLL NTS 1859
61-19[illegible]
175,999

Sci - Phys

Jan 62

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

COLLOIDAL PHYSICO-CHEMICAL METHODS FOR THE SEPARATION FROM THE CARBIDES OF SLAG INCLUSIONS PRECIPITATED FROM STEEL, BY S. M. GUTMAN, ET AL.

RUSSIAN, PER, DOK AN NAUK SSSR, VOL 1, 1935, PP 308-312.

NLL M.3416

SCI - CHEM, M/M

JUN 62 1,,,147

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

R-5697-D
12 Aug 65

Method of Reduction to Ordinary Diff. Equs.
By: L. V. Kantorovich
From: Akad Sciences USSR, V. 2, #9, 1934 pp 534-536
(4 pp)
French - est for wds:

Type one camera ready copy. Reproduce for paste-up.

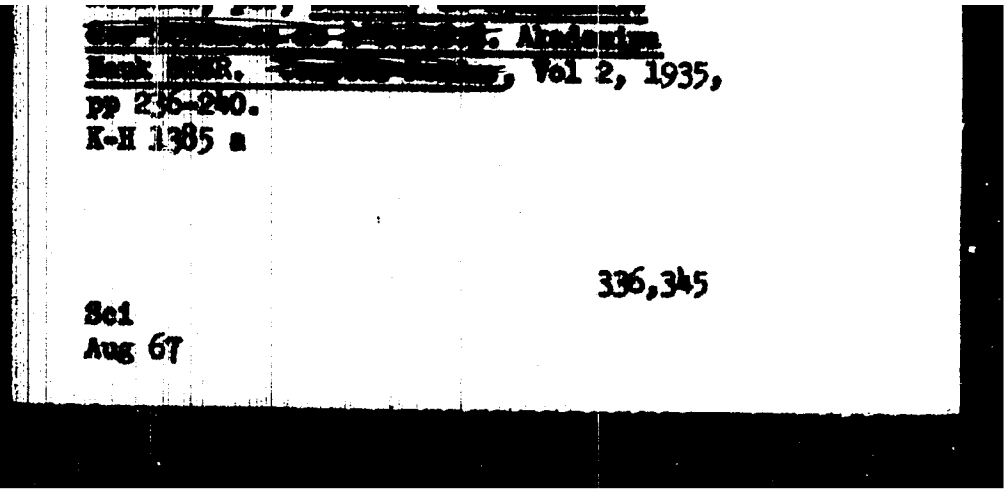
APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

The Catalytic Effect of Mercury Vapor ont the Cracking of Methane in the Glow Discharge, by N. I. Kobozev, S. S. Vasil'ev, E. E. Gal'braikh, 9 pp. RUSSIAN, per, Doklady [redacted] Akademiya Nauk [redacted], Vol 2, 1935, pp 235-240.

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4



[redacted] Academia
[redacted] Vol 2, 1935,
pp 236-260.
K-H 1385 a

336,345

Sci
Aug 67

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Sapygina, E. S.
FROST RESISTANCE OF SPRING WHEATS
Comp. Rend. (Doklady) Acad. Sci. USSR, Vol. 3,
pages 325-28, 1935.

RUSSIAN

* PL 480
ARS

Apr 61

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Reduction of Nitro Compounds by Cast-Iron Turnings, by V. O. Lukashevich, M. A. Voroshilova, 10 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol VII, No 5-6, 1935, pp 394-397.

CIA/FDD/X-1608

Scientific - Chemistry Apr 55 CTS 22,844

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Specific Volume of Fused Salts at High Temperatures, by M. P. Volarovich, A. A. Leont', 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol II, 1935, pp 539-541.

SLA R-3362

Sci

Aug 59

93,615

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

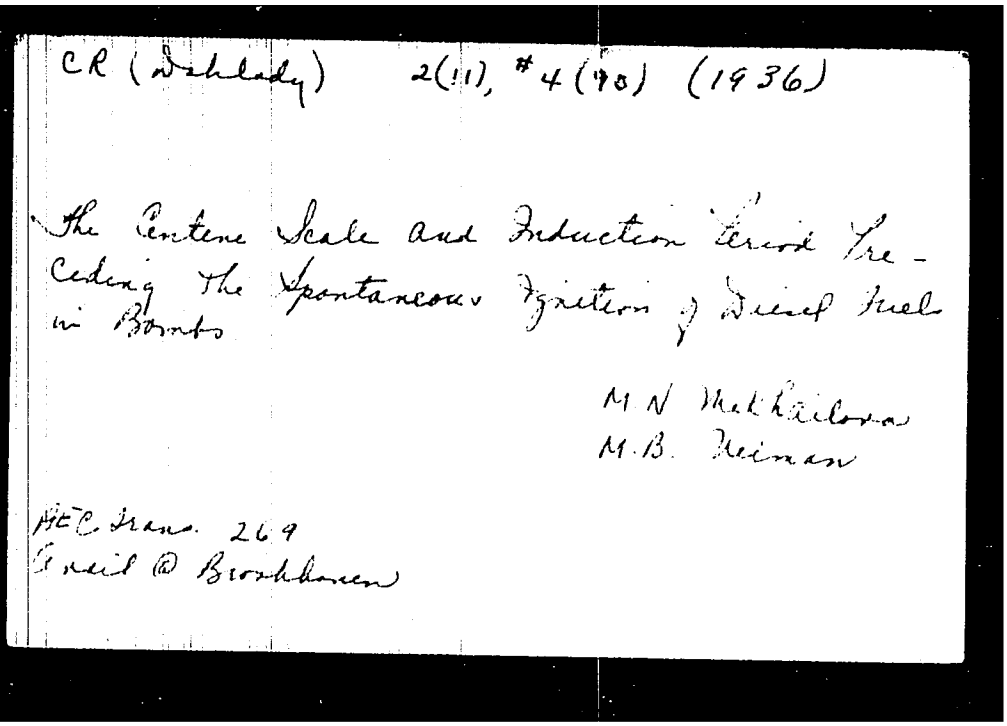
Dok Ak Nauk SSSR Vol I, page 12-4 (1936)

Color of Corundum, by I. I. Islamov and Yu. M. Tolmachev.

AEC Trans (avail. Brookhaven)

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4



CR (Dehlsky) 2(11), #4(90) (1936)

The Centene Scale and Induction Period Preceding The Spontaneous Ignition of Dried Fuels in Bombs

M N Mel'nikova
M.B. Neiman

AEC Trans. 269
Transl @ Brookhaven

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Radar Observations of Venus in the Soviet Union in 1964. by V. A. Kotel'nikov. Yu. N. Aleksandrov, et al.
RUSSIAN, per, Doklady Ak Nauk SSSR, Astronomiya, Vol XVI, No 1, pp 50-53. P-910037565
NASA TT F-9693

Sci-Navigatoon, Communications Detection and Countermeasures, Sept 66 309,808

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Chkalovite. Denver, U.S. Geological Survey, 1961, by V. I. Gerasimovskiy.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XXII, No 5, 1936, pp 263-267.

Dept of Interior
QE3 E57 No 72

191,487

3c1 - Geophys

Apr 62

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Reversible Catalytic Conversion of Normal Butylenes Into Isobutylene, by D. M. Rudkovski, E. K. Serebryakov, A. V. Frost, 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol IV, No 8, 1936, pp 359-362.

SLA Tr R-746

53,027

Sci - Chemistry
Sep 57

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Bernshtein, S. N.
ON THE QUADRATURE FORMULAS OF COTES AND CHEBYSHEV. [1961] 7p. 3 refs.
Order from OTS or SLA $1.10 62-10310

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1937, v. 14, no. 6, p. 323-326.

DESCRIPTORS: Polynomials, Inequalities, Theory.

(Unannounced)

62-10310

I. Bernshtein, S. N.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

The Production of Detonation in Explosives Under the Action of a Thermal Impulse, by A. F. Belayev, 8 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XVIII, No 4, 5, 1937.

Available in English at LC

Sci

Aug 60

121, 724

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Oxidation of Phosphorus Vapor and Phosphine by Oxygen in the Presence of Nitric Acid, by I. S. Rosenblyuts, 28 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Ser Khim, 1938, p 75, 99.

SLA R-3365

Sci

Aug 59

94,157

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

The Solubility Isotherm of the Ternary System P_2O_5-H_2O at 50°, by L. G. Berg, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, No 1, 1938, pp 161-166.

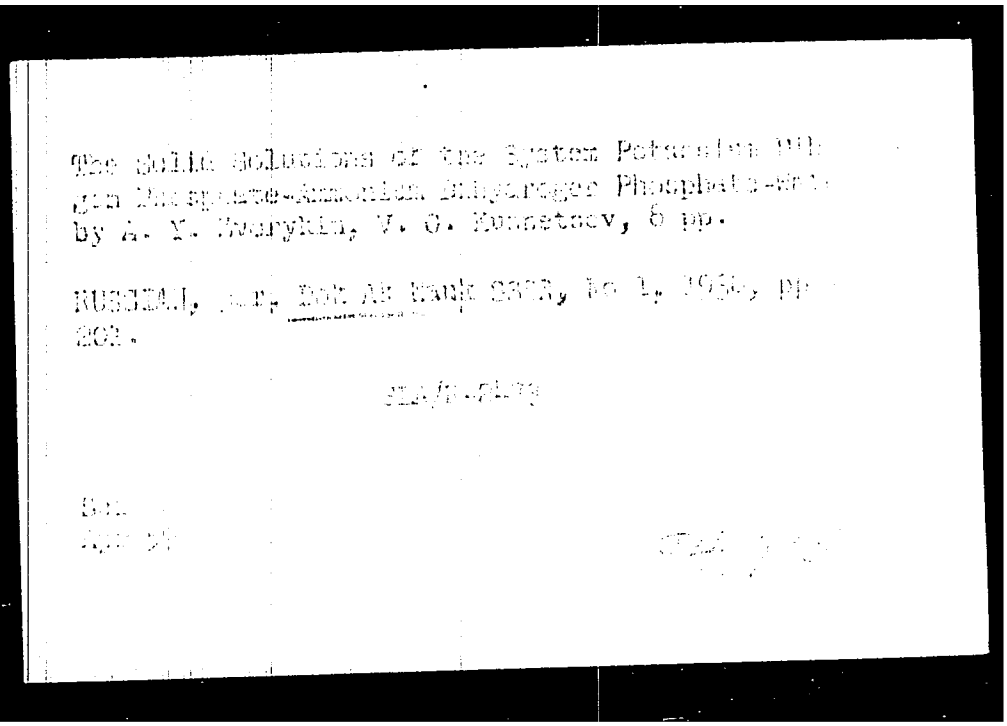
SLA R-2494

Sci
Apr 59

84,429

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4



The Solid Solutions of the System Potassium Nit
ium Dihydrogen-Ammonium Dihydrogen Phosphate-Wat
by A. V. Novoyilov, V. G. Kuznetsov, 6 pp.

RUSSIAN, Zh. Fiz. Khim. 1957, Vol 31, Issue 1, 1956, Pp
202.

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Physicochemical Study of the Equilibrium of the Aqueous Reciprocal System of Potassium and Ammonium Nitrates, Monophosphates and Chlorides (Nitrophoska 1"), by A. G. Bergman, 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, No 1, 1959, pp 229-232.

5

SLA R-2510

Sci
Apr 59

84,757

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Detonation in Air-Mixtures of Pentane and Hexane in Tubes, by K. I. Shtsholkin, 4 pp.

RUSSIAN, Dok Ak Neuk SSSR, Vol XXII, No 3, 1938.

Available
in English
at LC

Sci

Aug 60

121,715

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Qualitative Changes Taking Place in Rubber and Resins in Kok-saghyz Roots in the Course of Plant Development, by S, M. Mashtakov, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XIX, No 4, 1938, pp 309-312.

Sci Trans Center RT 3204

Scientific - Biology
USSR
Economic - Plantdevelopment

Feb 56 31,215

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

External Canaliculi of the Lateral Line of Fishes, by D. K. Tretyakov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XVIII, 1938, pp 483-485.

CSIRO

Zool - Biol
Jun 62

199, 630

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Ther Thermal Explosion of Nitrous Oxide, by
Y. B. Zeldovich, B. I. Yacovlev, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XIX, No 9, 1938.

Available
in English
at LC

Sci

Aug 60

121,719

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Preparation of Potassium Nitrate by Double Decomposition of Potassium Chloride with Nitric Acid at Low Temperatures and Concentrations of Nitric Acid, by V. I. Nikolayev and A. G. Kogan, 16 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Ser Khim, 1938, pp 925-940.

SLA R-2576

Sci

Aug 53

72,967

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Geochemical and Mineralogical Methods of Prospecting for Mineral Deposits, by A. Y. Feresman, 41 pp.

RUSSIAN, per, Doklady Akad Nauk SSSR, 1939.

SLA R 1600

Sch

Jul 59

62,777

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Gerasimo'skii, V. I.
CHKALOVITE, tr. by John Ciesiewicz. 1961 [10]p.
Order from OTS or SLA $1.10 62-13103

Trans. of Akademiya Nauk SSSR. Doklady [1939] v. 22, no. 5, p. 263-267.

DESCRIPTORS: *Minerals, Beryllium, *Petrology, Physical properties, Optical properties, Chemical properties.

(Earth Sciences--Mineralogy, TT, v. 10, no. 10)

62-13103

I. Title: Chkalovite
I. Gerasimovskii, V. I.
II. Geological Survey, Denver, Colo.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

On the Transition of the Combustion of Explosives Into Detonation, by Y. B. Chariton, B. M. Stepanow, 3 pp.

RUSSIAN, per, Dok Ak SSSR, Vol XXIII, No 4, 1939.

Available in English at LC

Sci

Aug 60

121,721

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Nikolaev, V.I.
DÉTERMINATION DE LA COMPOSITION DES PHASES SOLIDES DE SYSTÈMES QUADRUPLES À L'ÉQUILIBRE (Determining the Composition of Solid Phases of Equilibrous Quadruples Systems). 9p. 2refs, CNRS-VIII bis 536.
Order from OTS, ETC or CNRS $0.80 TT-62-28311

Trans. in French of Akademiya Nauk SSSR. Doklady, 1939, v.24, no.6, p.556-558.

DESCRIPTORS: Phase studies, Solids, Chemical equilibrium, Sodium compounds, Magnesium compounds, Chlorides, Sulfates, Water.

(Chemistry--Physical, TT, v. 11, no. 6)

TT-62-28311

I. Nikolaev, V.I.
II. CNRS-VIII bis 536
III. Centre National de la Recherche Scientifique, Paris

Office of Technical Services
European Translations Centre

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

On the Possibility of Separating Transverse Waves during Seismic Prospecting by the Reflection Method, by G. A. Gamburtsev.

RUSSIAN, pr, Dok Ak Nauk SSSR, Geogr i Geofiz, Ser A, 1939, pp 155-173.

SLA R-2087

Sci

71,078

Aug 58

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Thermal Inflammation and the Boiling Point of the Given Explosive Compound, by A. F. Belayev, N. A. Yusephovich, 4 pp.

RUSSIAN, Dok Ak Nauk SSSR, Vol XXVII, No 2, 1940.

Available
in English
at LC

Sci

Aug 60

121, 714

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Tokhtuev, A. V.
INHERITANCE OF THE LENGTH OF GROWING PERIOD IN BARLEY. C.R. Doklady) Acad. Sci. URSS, Vol. 27, pages 147-150, 1940.

☆PL 480
ARS

apr 61

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Constitution and Properties of Copper-Zirconium Alloys, by S. A. Pogodin, I. S. Shumova, F. A. Kuguchava, 4 p.

RUSSIAN, per, Dok Ak Nauk SSSR, 1940, Vol XXVII, No 7, pp 670-672.

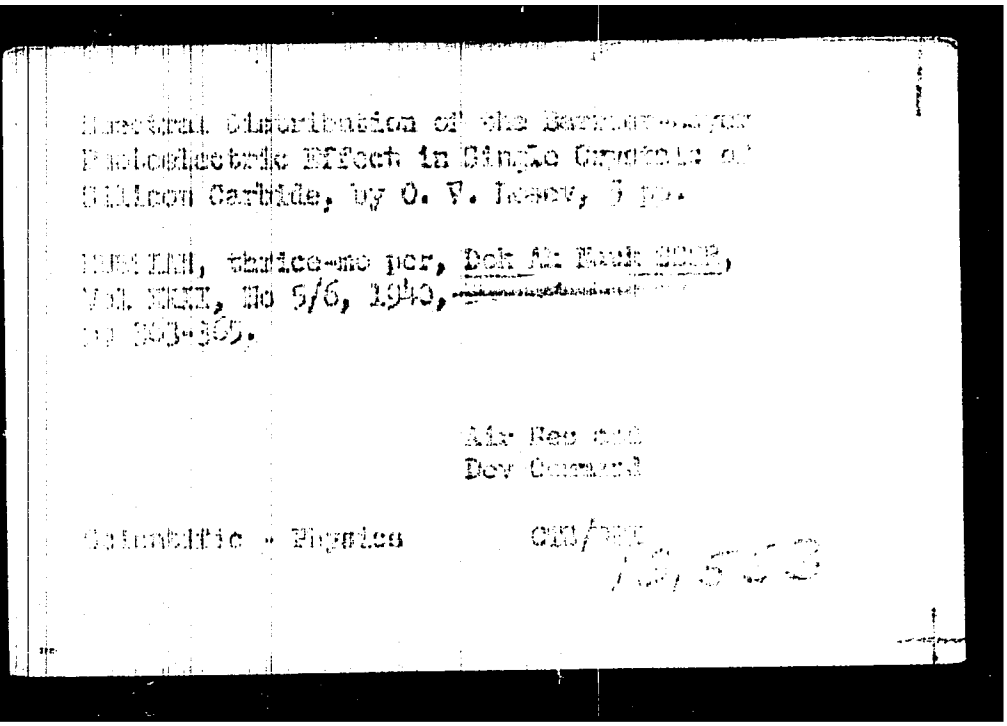
SLA 59-17968

Sci
Feb 60
Vol 2, No 10

108916

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4



Spectral Distribution of the Barrier-Layer Photoconductive Effect in Single Crystals of Silicon Carbide, by O. V. Ivanov, 3 pp.

USSR LMH, thrice-mo per, Doklady Akad Nauk SSSR, Vol XXXI, No 5/6, 1940, [illegible] pp 363-365.

Air Res & Dev Command

Scientific - Physics

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Nitrates

Physicochemical Investigation of the Aqueous Reciprocal System of Potassium Ammonium [redacted] and Monophosphates III. Polytherm of the Reciprocal System of Potassium and Ammonium Nitrates and Monophosphates, by P. F. Bochkarev, A. G. Bergman, 26 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Ser Khim, [redacted] 1940, pp 379-395.

[redacted] R-2940

Sci

Jul 59

92, 396

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

The Solubility Diagram of Potassium Carbonate-Sodium Carbonate-Water and Its Application to the Separation of Potassium and Sodium Carbonates, by S. Z. Makarov, M. P. Shul'gina, 21 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Ser Khim, 1940, p 511 528

SLA R-2858

Sci

Jul 59

92, 416

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Kitaĭgorodskiĭ, I. I.
SCHUIMGLAS (Froth-glass). 7p. MTWL: 900.
(text in Dutch).
Order from OTS or ETC 51.55 61-17609

Trans. of Akademiya Nauk SSSR. Doklady, 1940, v. 26, p. 644-646.

DESCRIPTORS: *Porous glass, Production.

61-17609

I. Kitaĭgorodskiĭ, I. I.
II. MTWL-900
III. Stichting Mocilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

The Physicochemical and Technological Analysis of the Process of Decomposition of Phosphates by Means of Nitric Acid, with Production of Fertilizers, by S. I. Volfkovich, A. P. Belopolskiy, A. Loginova, 34 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Ser Khim, 1940, pp 705-724.

SLA R-2949

Sci

Jul 59

92,444

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Double Salts of Mono- and Dipotassium (illegible) phosphate, by L. G. Berg, G. B. Bokiy, 11 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, No 1, 1958, pp 877-885.

SLA R-2500

Sci
Apr 59

84,752

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Heating Curves of Potassium Phosphates, by L. G. Berg, 13 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Ser Khim, ppr 1940, pp 887-894.

SLA-R-2942

Sci

Jul 59

92, 390

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Polarization of the Radiation Lines in the Spectrum of Night Sky Luminescence, by I. A. Khvostikov, 6 pp.

Full tr

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXVII, No 3, 1940, pp 217-220.

AMC-WP-SF-8050/XII

37,962.

Scientific - Astronomy
CIS/Dest
Aug 56

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Polarization of the Luminescence of the Night Sky in the Ultraviolet Region of the Spectrum, by I. A. Khvostikov, A. A. Shubin, 5 pp.

Full tr

RUSSIAN, per, Dok Ak Nauk, SSSR, Vol XXVII, No 3, 1940, pp 221-223.

ATIE-F-TS-8858/III

37,954

Scientific - Astronomy
CIB/Dex
Aug 56

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

[redacted], M. A.
[redacted], T. B.

Comptes Rendus De L'Academie Des Sciences De L'Urss, vol. 27, No. 5, 2 tables, 1100 words; 1940.

Coatings of Aluminum & Chromium and Chromium & Silver Alloys Produced from the Vapors of Their Salts.

Brutcher Trans, Order No. 159[redacted], $1.65.

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Kazanskii, B. A., Serguienko, S. R., and Zelinskii, N. D.
CONTACT CYCLIZATION OF PARAFFINIC HYDROCARBONS. [1961] [3]p. 8 refs.
Order from OTS or SLA $1.10 61-20823

Reprint of [Akademiya Nauk SSSR]. Comptes (Doklady) de l'Academie des Sciences de l'U. R. S. S., 1940, v. 27, no. 7, p. 664-669.

DESCRIPTORS: *Hydrocarbons, *Catalysts, *Ethylenes, Uranium compounds, Oxides, Molybdenum compounds.

Chromic oxide deposited on silica gel possesses not very high, but a sufficiently constant activity. Uranium and molybdenum oxides deposited on alumina possess a considerable activity which declines particularly strongly during the intervals between the daily (Chemistry--Organic, TT, v. 7, no. 9) (over)

61-20823

I. Kazanskii, B. A.
II. Serguienko, S. R.
III. Zelinskii, N. D.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

The Oxidation of Carbon, by Z. F. Tchoukhanoff (Chukhanov), 8 pp.

FRENCH, per, [redacted] (Doklady) de L'Academie des Sciences de L'URSS, Vol XXVIII, No 1, 1940, pp 32-36. (file)

CIA/FDD X-2098

Scientific - Chemistry
Jul 56 CTS/dex

36,524

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Kussakov, M. M., Rebinder, P. A., and Zinchenko, K. E.

SURFACE PHENOMENA IN PETROLEUM FILTRATION PROCESSES. [1961] ip.

Order from OTS or SLA $1.10 61-20388

Abstract trans. of [~~Akademiya Nauk SSSR~~]. Comptes Rendus (~~Doklady~~) de l'Academie des Sciences de l'U. R. S. S. 1940, v. 28, no. 5, p. 433-437.

DESCRIPTORS: *Petroleum, Processing, Surface properties.

(Engineering--Chemical, TT v. 7, no. 1)

61-20388

I. Kussakov, M. M.
II. Rebinder, P. A.
III. Zinchenko, K. E.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

COMPTES RENDUS De L'Academie des Sciences de l'URSS
(doklady Vol 28 No 8 688-93 1940

Helicoidal Vortices in Application to the Aerodynamic design of Propellers and Blowers by Va A. Konstantinov

F-TS-7475-RE

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Balandin, A. A. and Liberman, A. L.
KINETICS OF DEHYDROGENATION OF SECONDARY BUTYL ALCOHOL AND REVERSIBLE POISONING OF COPPER CATALYSTS. [1961] 1p.
Order from OTS or SLA $1.10 61-20387

Abstract trans. of [Akademiya Nauk SSSR]. Compten Rendus (Doklady) de l'Academie des Sciences de l' U. R. S. S. 1940, v. 28, no. 9, p. 794-799.

DESCRIPTORS: *Butanols, Dehydrogenation, *Copper catalysts, Catalysts, Poisoning.

(Chemistry--Physical, TT, v. 6, no. 12)

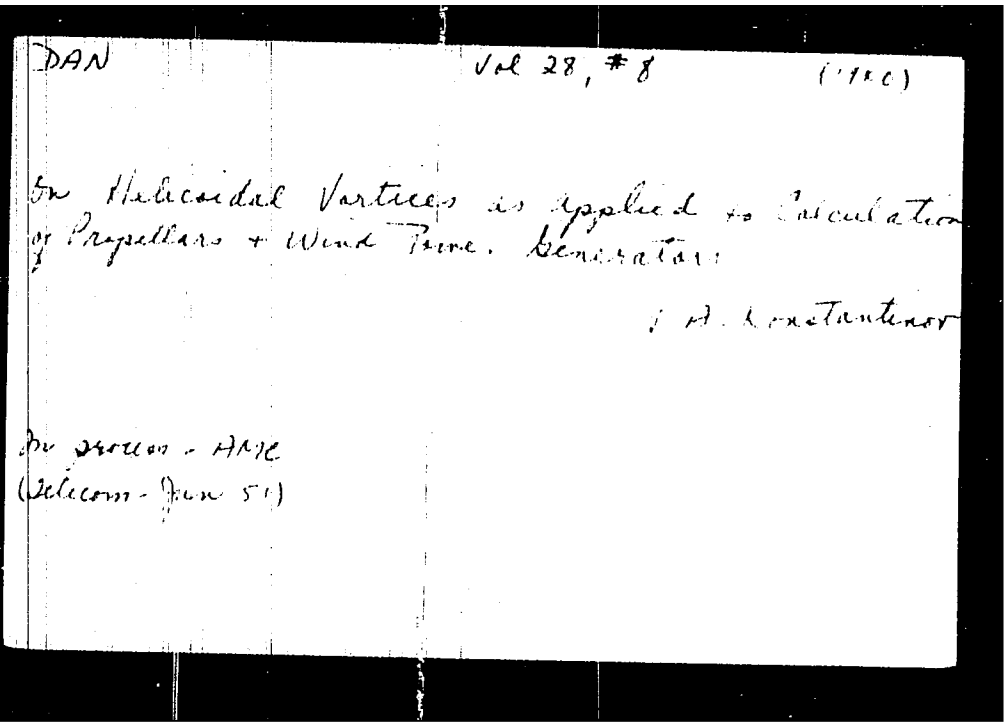
61-20387

I. Balandin, A. A.
II. Liberman, A. L.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4



DAN Vol 28, #8 (1970)

On Helicoidal Vortices as Applied to Calculation of Propellers + Wind Turbines. Generalization

I. A. Kontantinov

On screen - ARC
(Telecom - Jan 51)

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Fusibility Diagrams of Trinary Systems of Fluorides of Lithium, Sodium, Potassium and Rubidium, by E. P. Dergunov, 7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XXVIII, 1940, pp 1369-1372.

AEC Tr 1860

Scientific - Chemistry
CTS/DEX

14,379

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

On the Conditions Governing Steady Burning of Explosive Substances, by A. F. Belayev, 4 pp.

RUSSIAN. per, Dok Ak Nauk SSSR, Vol XXVIII, No 8, 1940.

Available in English at LC

Sci

Aug 60

121,724

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

61-20390

[TRANSACTIONS (REPORTS) OF THE ACADEMY OF SCIENCES OF THE USSR] 1940, VOL. 27, NO. 9: [TABLE OF CONTENTS] AND SELECTED ABSTRACT. [1961] 2p.
Order from OTS or SLA $1.10 61-20390

Abstract trans. of [Akademiya Nauk SSSR]. Comptes Rendus (Doklady) de l'Academie des Sciences de l'U.R.S.S. 1940, v. 27, no. 9, p. 950-955.

DESCRIPTORS: *Scientific research, Periodicals, USSR, Substances, Liquids, Halogenation, Electrolytes.

Contents:
Method of electrolytic halogenation of substances insoluble in water, by N. A. Izgaryshev and V. S. Polikarpov
(Chemistry--Physical, TT, v. 7, no. 1)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Balandin, A. A. and Fedorov, V. S.
CATALYTIC DEHYDROGENATION OF CYCLOPENTANE IN THE PRESENCE OF CHROMIC OXIDE.
[1961] [1]p. 9 refs.
Order from OTS or SLA $1.10 61-20820

Reprint of [~~Akademiya Nauk SSSR~~]. Comptes Rendus (Doklady) de l'Academie des Sciences de l'U. R. S. S., 1941, v. 30, no. 1, p. 21-22.

DESCRIPTORS: *Cyclopentanes, Pentanes, Dehydrogenation, Catalysts, Chromium compounds, Oxides, Catalysis.

The dehydrogenation of cyclopentane over chromic oxide takes actually place, this being in agreement with the point of view expressed in the paper published elsewhere. By the order of its magnitude, the rate of the dehydrogenation of cyclopentane is quite compa-
(Chemistry--Organic, TT, v. 7, no. 4) (over)

61-20820

I. Balandin, A. A.
II. Fedorov, V. S.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Scattering of Sound in Turbulent Flow,
by A. M. Obukhov.
RUSSIAN, per, Dok AKad Nauk SSSR,
Vol XXX, No 7, 1941, pp 616-620.
NASA TT F-9493

Sci-Phys
Feb 66

296,060

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Gavrusevich, B. S. and Sarapulov, F. Yu.
CONCERNING THE CHANGE OF COLOR AND OPTICAL PROPERTIES OF BERYLS ON HEATING (K Voprosu ob Izmenenii Okraski i Opticheskikh Svoistv Berillov pri Nagrevanii) tr. by W. John Cieslewicz. Nov 61 [9]p. 8 refs.
Order from OTS or SLA $1.10 62-15739

Trans. of Akademiya Nauk SSSR. Doklady, 1941, v. 31, no. 8, p. 771-774.

DESCRIPTORS: *Silicates, *Beryllium, *Aluminum, *Pegmatites, *Crystals, *Colors, Optics, Heating.

Beryls of different coloration, transparency and origin on heating to 1200°C undergo changes affecting their color, transparency and optical constants. Coloration of beryls increases with heating in general. In temperatures above 600°C the transparency and glassy luster disappear, whereas refractive indicies and the

(Earth Sciences--Mineralogy, TT, v. 7, no. 9) (over)

62-15739

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Kobozev, N. I. and Kashtanov, L. I.
KINETICS AND ENERGETICS OF HIGH TEMPERATURE CRACKING OF METHANE TO ACETYLENE.
[1961] 7p. 4 refs.
Order from OTS or SLA $1.10 61-16940

Trans. of [Akademiya Nauk SSSR]. Comptes Rendus (Doklady) de l'Academie des Sciences de l'U.R.S.S., 1941, v. 33, p. 28-33.

DESCRIPTORS: *Methanes, Hydrocarbons, Decomposition, Hydrogenation, *Acetylenes, Synthesis.

A mathematical discussion of high temperature cracking of methane to acetylene and experimental data are reported pertaining to cracking of a mixture containing 71% methane under atmospheric pressure. The resulting gas contained about 7% acetylene and consumed about 2.2 kw-hr per liter gas charged to the cracking (Chemistry--Organic, TT, v. 6, no. 9) (over)

61-16940

I. Kobozev, N. I.
II. Kashtanov, L. I.

[illegible]5410

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Vasserman, E. S. and Bedrintseva, A. B.
MECHANISM OF FORMATION OF VINYL ETHERS.
[1962] 3p. 5 refs.
Order from OTS or SLA $1.10 62-16779

Trans. of Akademiya Nauk SSSR, Doklady, 1941, v. 33, no. 1, p. 34-36.

DESCRIPTORS: *Vinyl radicals, *Ethers Synthesis, Reaction kinetics.

(Chemistry-Organic, TT, v. 9, no. 3)

62-16779

I. Vasserman, E. S.
II. Bedrintseva, A. B.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Kobozev, N. I. and Shneerson, A. L.
PHENOMENA OF CHEMICAL INDUCTION IN THERMAL CRACKING OF METHANE. [1961] 6p. 5 refs.
Order from OTS or SLA $1.10 61-16941

Trans. of [Akademiya Nauk SSSR]. Comptes Rendus (Doklady) de l'Academie des Sciences de l'U.R.S.S., 1941, v. 33, p. 217-222.

DESCRIPTORS: *Methanes, Hydrocarbons, Decomposition, Ethanes, Dehydrogenation, *Acetylenes, Ethylenes, Synthesis.

Experimental conditions reported by various authors to be required for obtaining the highest yields of unsaturated hydrocarbons, especially acetylene, in cracking of methane in mixture with ethane are tabulated. A discussion of these data leads the authors to the conclusion that the cracking of methane is induced (Chemistry--Organic, TT, v. 6, no. 9) (over)

61-16941

I. Kobozev, N. I.
II. Shneerson, A. L.

KH-1339

411

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Kobozev, N. I. and Eremin, E. N.
ACTIVATION CHARACTERISTICS OF THERMAL CRACKING OF METHANE. [1961] 5p. 6 refs.
Order from OTS or SLA $1.10 61-16942

Trans. of [Akademiya Nauk SSSR]. Comptes Rendus (Doklady) de l'Academie des Sciences de l'U.R.S.S., 1941, v. 33, p. 223-226.

DESCRIPTORS: *Methanes, Hydrocarbons, Decomposition, Heat of reaction, *Acetylenes, *Ethylenes, Synthesis.

Correlation of data on cracking of methane obtained by the authors and reported by other workers in the field revealed the pronounced acceleration of the process when the total and partial pressure of methane are reduced or methane is diluted. Among the individual steps involved in the total process only those are favored (Chemistry--Organic, TT, v. 6, no. 9) (over)

61-16942

I. Kobozev, N. I.
II. Eremin, E. N.

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Stabilization of Spectrum Excitation Conditions in the Arc Column, by I. B. Velyakov-Bodin, S. L. Mandelshtam. 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSR, No 2, 3, 1941, pp 229-234.

AEC Tr 2720

SLA R-1417

May 58

63,174

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

The Reduction of Viscosity of Clay Suspensions. From the Symposium on Viscosity of Liquids and Colloids, by V. Baranov.

RUSSIAN, Dok Ak Nauk SSSR, Moscow, Department of Technology, Institute of Mechanical Engineering, Vol 1, 1941, pp 415-425.

Sci Museum Lib No/50/3856
London

Sci -

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

The Dissolution of Nickel in Acids, by Y. Kolotyrkin, A.N. Frumkin.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XXXIII, No 7-8, 1941, pp 445-449.

17

ATS-9172R

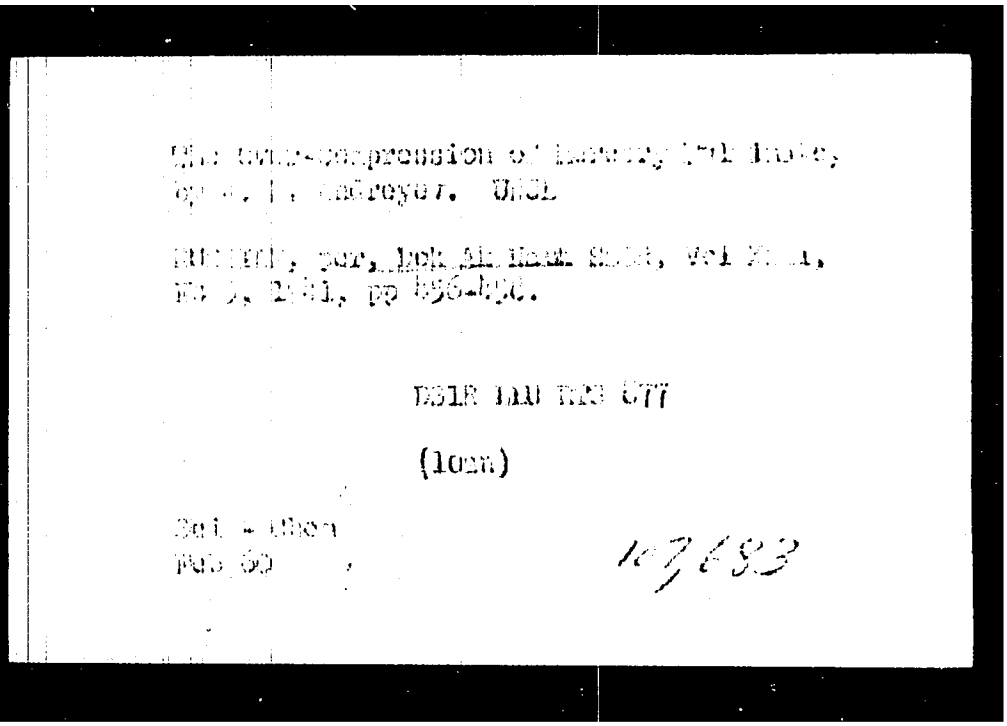
Sci

Aug 59

93,540

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4



[illegible] compression of [illegible] [illegible],
[illegible]. [illegible]. Meyer. UMOL

[illegible], par, [illegible] [illegible], vol [illegible],
[illegible], 2001, pp [illegible].

DSIR IAU RN: 677

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Recherches sur la Chimie du Polonium. II. Obtention du Polonium Hexavelent, (Research on the Chemistry of Polonium II. Production of Hexavalent Polonium), by A. G. Samartseva, 8 pp.

RUSSIAN to FRENCH, per, Dok Ak Nauk SSSR, Vol XXXIII, No 9, 1941, pp 506-509.

Reverse Trans
CEA Tr-R-1044

Sci
May 61

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Concerning the Change of Color and Optical Properties of Beryls on Heating, by B. S. Gavrusevich.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XXXI, No 8, 1941, pp 771-774.

Dept of Interior
QE3 E57 No 65

191,486

Sci - Geophys

Apr 62

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

The Phase Diagram of the Nickel-Niobium System, by S. A. Pogodin, A. N. Selikmann, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XXXI, No 9, 1941, pp 895-897.

SLA Tr R-1149

Sci

Jun 58

65, 886

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

61-20314

[TRANSACTIONS (REPORTS) OF THE ACADEMY OF SCIENCES OF THE USSR] 1942, VOL. 35, NO. 2: [TABLE OF CONTENTS] AND SELECTED ABSTRACT [1961] 1p.
Order from OTS or SLA $1.10 61-20314

Abstract trans. of [~~Akademiya Nauk SSSR~~]. Comptes Rendus (~~Doklady~~) de l'Academie des Sciences de l'U.R.S.S. 1942, v. 35, no. 2, p. 38-41.

DESCRIPTORS: *Scientific research, Periodicals, USSR, Copper, Oxidization, Oxidizers, Chemical reaction.

Contents:
Mechanism of copper passivation in alkaline solutions of oxidizing agents, by A. G. Samartsev.

(Chemistry--Physical, TT, v. 7, no. 1)

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Varov, A. A. and Romm, I. I.
OCCURRENCE OF STRONTIUM AND BARIUM IN OIL FIELD WATER OF THE URAL-VOLGA REGION [1961] 1p. 1 ref.
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Abstract trans. of [Akademiya Nauk SSSR] Comptes Rendus (Doklady) de l'Academie des Sciences de l'U.R.S.S. 1942, v. 35, no. 4, p. 114-117.

DESCRIPTORS: Geochemistry, *Strontium, *Barium, Determination, Oils, Water.

(Engineering--Chemical, TT, v. 7, no. 1)

61-20221

1. Title: Oil field waters
I. Varov, A. A.
II. Romm, I. I.

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Itkina, E. S.
OCCURRENCE OF COPPER IN OIL FIELD WATERS. [1961] 1p.
Order from OTS or SLA $1.10 61-20315

Abstract trans. of [Akademiya Nauk SSSR]. Comptes Rendus (Doklady) de l'Academie des Sciences de l'U.R.S.S., 1942, v. 35, no. 5, p. 149-152.

DESCRIPTORS: *Geochemistry, *Copper, Determination, Oils, Water.

(Engineering--Chemical, TT, v. 7, no. 1)

61-20315

1. Title: Oil field waters
I. Itkina, E. S.

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

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Mikhnovskaya, A. A. and Frost, A. V.
CATALYTIC ACTION OF ACTIVATED SILICA-ALUMINA: EFFECT OF TREATMENT WITH ACTIVATED CLAY UPON UNSATURATED COMPOUNDS CONTAINED IN CRACKED GASOLINE. [1961]
3p. 7 refs.
Order from OTS or SLA $1.10 61-16655

Trans. of [Akademiya Nauk SSSR]. Comptes Rendus (Doklady) de l'Academie des Sciences de l'U.R.S.S., 1942, v. 37, p. 221-222.

DESCRIPTORS: *Alumina-silica catalysts, Catalysis, *Hydrocarbons, Chemical effects, *Clays, *Gasoline.

Passing vapors of a cracked gasoline fraction boiling at 90-122° C at a rate of flow of 0.25 ml liquid per ml catalytic zone per hour at 260° C through a column packed with Caucasian clay activated with sulfuric acid converted 40% of the unsaturated compounds of this
(Engineering--Chemical, TT, v. 6, no. 9) (over)

61-16655

I. Mikhnovskaya, A. A.
II. Frost, A. V.
III. Title: Effect...

285390

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Frost, A. V.
CATALYTIC ACTION OF ACTIVATED SILICA-ALUMINA: ACTION OF ACTIVATED CLAY UPON NORMAL OCTYL ALCOHOL AND CYCLOHEXANONE. [1961] 4p. 3 refs.
Order from OTS or SLA $1.10 61-16656

Trans. of [Akademiya Nauk SSSR]. Comptes Rendus (Doklady) de l'Academie des Sciences de l'U.R.S.S., 1942, v. 37, p. 223-225.

DESCRIPTORS: *Alumina-silica catalysts, Catalysis, *Clays, *Alcohols, Dehydration, *Cyclohexanones, Chemical effects.

Acid activated clay ignited at 240-290° was found to dehydrate octyl alcohol at 150-180°, but a temperature of 120° was insufficient for this reaction. The dehydration gave 33% octenes, 17% gas and losses and 13% higher olefins. In addition to polymerization, partial hydro-
(Engineering--Chemical, TT, v. 6, no. 9) (over)

61-16656

I. Frost, A. V.
II. Title: Action...

135391

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Gorbunov, N. S. and Baryshanskaya, F. S.
CHROMIUM PLATING OF STEEL AND IRON IN THE GASEOUS PHASE. [1961] 1p.
Order from OTS or SLA $1.10 61-20305

Abstract trans. of [~~Akademiya Nauk SSSR~~]. Comptes Rendus ~~(Doklady)~~ de l'Academie des Sciences de l'U.R.S.S., 1942, v. 37, no. 9, ~~p. 277-280.~~

DESCRIPTORS: Steel, Iron, *Chromium plating, Plating, *Corrosion inhibition, *Vapor plating.

(Metallurgy--Corrosion, TT, v. 7, no. 1)

61-20305

I. Gorbunov, N. S.
II. Baryshanskaya, F. S.

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

On the Problem of Diffuse Reflection of Light by a Turbid Medium, by V. A. Ambartsumyan, 7 pp.
RUSSIAN, per, Doklady Ak Nauk, Vol 38, 1943, p 229. P 91011B367
Smithsonian Institution
Astrophysical Observatory
No 7

321,657

Sci - Astronomy and Astrophysics
Mar 67

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Pokrovskaya, E. S.
SOME HOMOLOGS OF CYCLOPENTYLBENZENE AND CYCLOHEXYLBENZENE AND PRODUCTS OF THEIR HYDROGENATION. [1961] 4p. 6 refs.
Order from OTS or SLA $1.10 61-16983

Trans. of Akademiya Nauk SSSR. Comptes Rendus (Doklady) de l'Academie des Sciences de l'U.R.S.S., 1943, v. 39, p. 26-30.

DESCRIPTORS: Hydrocarbons, Synthesis, *Hydrogenation, *Benzenes, Petroleum, Chemical analysis, Catalysts, Pentyl radicals, Hexyl radicals.

Development of methods of chemical investigation of petroleum kerosene and lubricating oils requires knowledge of the individual hydrocarbons composing them. Six new hydrocarbons of the series of cyclopentylbenzene and cyclohexylbenzene were synthesized by condensing aromatics with cycloolefins in the presence of (Engineering--Chemical, TT, v. 6, no. 8) (over)

61-16983

I. Pokrovskaya, E. S.

128

Office of Technical Services

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301790004-4

Rate of Deformation and Mechanical Properties of Structures in Clay Suspensions, by K. F. Zhigach, E. G. Kister.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXIX, 1942, USSR, pp 813-815.

Assoc Tech Sv RJ-75

Sci - Chemistry $6.30 ($0.95)

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(FDD 26210)

Propagation of a Sound Wave in a Vortex Current, by A. M. Obukhov, 5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XXXIX, No 2, Moscow, 1943, pp 46-48.

CIA/FDD/U-7675

31,121

USSR
Sci - physics

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Genkel', N. A. and Kolotova, S. S.
A COMPARATIVE METHOD OF ASSESSING THE DEGREE OF SALT RESISTANCE OF COTTON (Sravnitelny Metod Otsenki Stepeni Soleustoychivosti Khlopchatnika). Mar 61 [7]p. 9 refs. RTS 1753. Order from OTS or SLA $1.10 61-19219

Trans. of Akademiya Nauk SSSR. Doklady, 1943, v. 39, no. 5, p. 209-212.

DESCRIPTORS: *Cotton, Growth, Salts, Absorption, Toxicity.

(Agriculture--Plant Cultivation, TT, v. 6, no. 1)

61-19219

I. Genkel', N A.
II. Kolotova, S. S.
III. RTS-1753
IV. Department of Scientific and Industrial Research (Gt. Brit.)

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Kobozev N. I.
IS QUENCHING NECESSARY IN THE THERMAL CRACKING OF METHANE TO ACETYLENE? [1961]
6p. 3 refs.
Order from OTS or SLA $1.10 61-16979

Trans. of [Akademiya Nauk SSSR]. Comptes Rendus (Doklady) de l'Academie des Sciences de l'U. R. S. S., 1943, v. 39, p. 261-264.

DESCRIPTORS: *Methanes, Decomposition, Acetylenes, Synthesis, Cooling.

Data are reported supporting the contention that cracking of methane to acetylene does not require quenching and that quenching is, as a rule, even harmful to this process. Substitution of air cooling for water cooling was without influence on the total yield of unsaturates, but changed the ethylene-acetylene ratio in favor of the latter. (Author)

(Chemistry--Organic, TT, v. 6, no. 7)

61-16979

I. Kobozev, N. I.

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61-20300

[TRANSACTIONS (REPORTS) OF THE ACADEMY OF SCIENCES OF THE USSR] 1943, VOL. 38, NO. 8. [1961] 1p.
Order from OTS or SLA $1.10 61-20300

Abstract trans. of ~~Akademiya Nauk SSSR~~. Comptes Rendus (~~Doklady~~) de l'Academie des Sciences de l'U.R.S.S., 1943, v. 38, no. 8, p. 270-276.

DESCRIPTORS: *Scientific research, Periodicals, USSR, Spectrophotometers, Design, Ethylene-amines, Potassium, Salts, Chemical reactions, Amines.

Contents:
Portable spectroscopic unit for analysis of cores from oil wells, by S.A. Borovik
Interaction of ethylenediamine with zeise salts, by Anna Gel'man.

(Chemistry--Physical, TT, v. 7, no. 1)

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